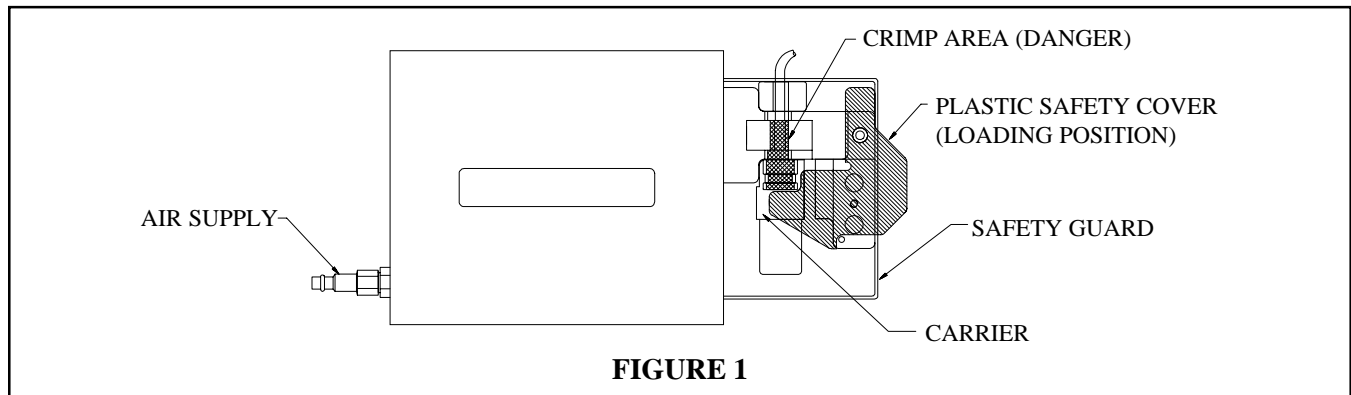


HX27 POWER CRIMP TOOL

INTRODUCTION

The HX27 is a three stage, special purpose, pneumatically powered crimp tool which has been designed to require a minimum of bench space. The HX27 uses dies specially developed for use with this tool. **The HX27 DEVELOPS 2,800 POUNDS OF FORCE WHICH CAN CUT OFF OR CRUSH FINGERS AND OTHER BODY PARTS IF INSERTED INTO THE "CRIMP AREA" OF THE TOOL.**



IMPORTANT SAFETY INSTRUCTIONS/USER'S RESPONSIBILITIES

BEFORE USING THIS SYSTEM, IT IS ESSENTIAL THAT THE OPERATOR AND ALL SUPERVISORS STUDY THIS SAFETY OPERATION MANUAL AND ACQUAINT THEMSELVES WITH ALL THE SAFETY RULES.

This is a special purpose system and shall not be modified in any way, or be used for any purpose other than that for which it was designed. It is imperative that operators follow all safety precautions, remain alert at all times and observe the highest level of operator safety.

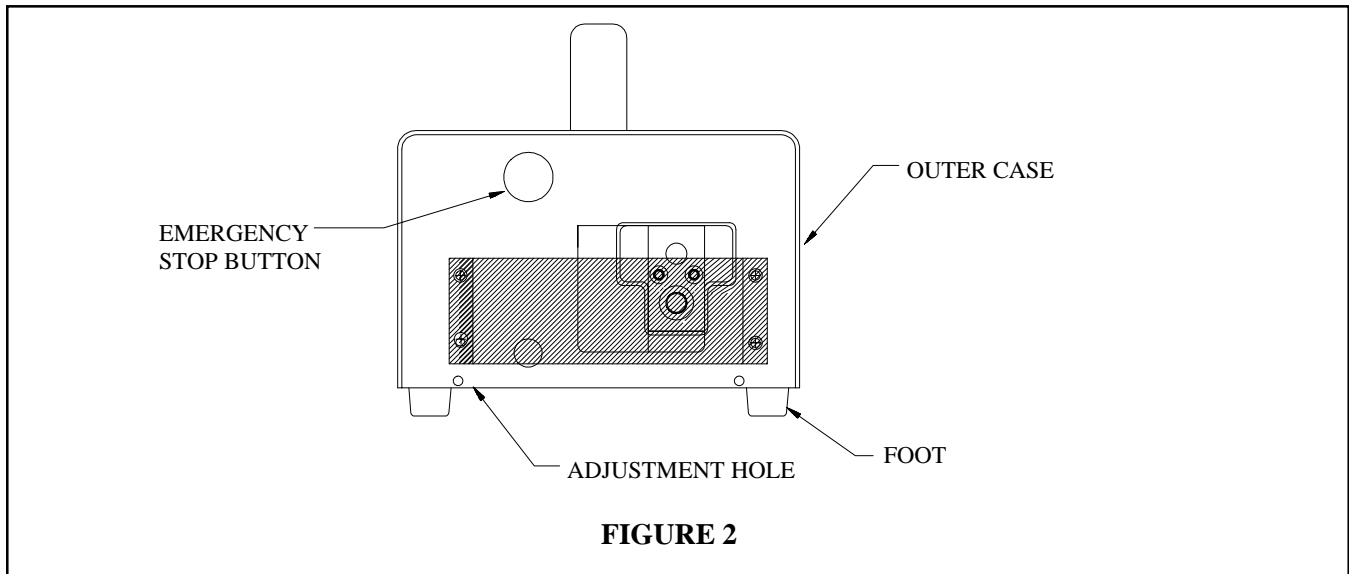
1. Always disconnect the tool from the air supply when not in use (**Figure 1**).
2. Keep all body parts clear of the crimp area (**Figure 1**) while loading, unloading and operating the tool.
3. Restrict operation of the HX27 tool to a single operator and follow the directions on the warning label. Only one person should operate the tool at any one time.
4. Do not alter the tool or operate outside the guidelines specified in this Safety Operation Manual.
5. Study the safety rules and operating instructions and **SAVE** this safety operations manual so that it is always with the HX27.

IT IS THE USER'S RESPONSIBILITY TO PROPERLY TRAIN AND INSTRUCT ALL TOOL OPERATORS IN THE PROPER USE OF THE HX27. THE OPERATOR MUST BE MADE AWARE OF THE DANGER OF THE MOVING PARTS, THE POSSIBILITY OF SERIOUS INJURY TO FINGERS AND OTHER BODY PARTS IF INSERTED INTO THE CRIMP AREA; AND THE NEED TO BE ALERT AND ATTENTIVE AT ALL TIMES WHILE USING THE HX27.

PREPARING THE TOOL FOR OPERATION

The HX27 is a self contained crimp tool, requiring only an air supply to operate. Select a bench surface that will provide a stable base for seating all four of the polyastomer feet (**Figure 2**) on the bottom of the outer case (**Figure 2**). Position the unit so the operator has a clear view of the crimp area (**Figure 1**), can clearly see to load, crimp, and

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unload the tool. Provide access to the air coupling on the rear of the unit so it may be easily disconnected when the system is not in use. When ready to operate the unit, plug in the air supply (figure 1).

EMERGENCY “STOP” BUTTON

The HX27 power crimp tool is configured with an emergency “STOP” button (**Figure 2**). By pressing this button at any time during the crimp cycle, the forward motion of the crimp cycle will immediately stop and retract to the open position. Further operation of the tool will be inhibited until this emergency “STOP” button is rotated in a clockwise direction and allowed to unlatch itself.

TOOL OPERATION

With the tool connected to an air supply of 80-120psi (5.5-8.3BAR), the tool is ready for operation. Use the following steps to operate the tool properly and safely:

1. Rotate the plastic safety cover (**Figure 3**) counterclockwise to the stop, exposing the crimp area. Load the preassembled connector with the main body of the connector in the carrier (**Figure 1**), the center pin to the left and the ferrule to the right in the ferrule crimp area (**Figure 1**).
2. Rotate the safety cover clockwise to the cover stop (**Figure 3**), covering the crimp areas and exposing the two operating buttons (**Figure 3**). Hold the coax cable horizontal and push inward, toward the connector, keeping fingers well clear of the crimp area.
3. Depress the **WHITE** button downward until the plunger extends and moves the center pin of the connector onto the center conductor of the coax cable.
4. While holding the **WHITE** button down, depress the **GREEN** button until the tool activates, after which, release both buttons. The system is cycle controlled and will complete closure and open automatically. (Continuing to depress the buttons will not harm anything, but will cause the tool to recycle additional times.)

**DISCONNECT FROM AIR SUPPLY BEFORE
ATTEMPTING TO ADJUST TOOL OR DIES.**

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THE PLASTIC SAFETY COVER PROTECTS THE OPERATOR FROM ACCIDENTAL CLOSURE OF THE CRIMP DIE WHILE LOADING, CRIMPING AND UNLOADING OF THE CRIMP AREA. DO NOT UNDER ANY CIRCUMSTANCES REMOVE THIS SAFETY FEATURE.

ANOTHER IMPORTANT SAFETY FEATURE REQUIRES SIMULTANEOUS DEPRESSION OF TWO SEPARATE BUTTONS FOR TOOL ACTIVATION. THE GREEN BUTTON IS INACTIVE AND CANNOT CAUSE MAIN DIE CLOSURE UNLESS THE WHITE BUTTON HAS BEEN DEPRESSED AND HELD WHILE DEPRESSING THE GREEN BUTTON.

THE HX27 HAS BEEN ASSEMBLED AT THE FACTORY WITH A DIE SET IN ACCORDANCE WITH ITS INTENDED USAGE. ANY CHANGES, ALTERATIONS, ADJUSTMENTS OR OTHER TASKS PERFORMED IN THE CRIMP AREA SHALL ONLY BE DONE AFTER THE HX27 HAS BEEN DISCONNECTED FROM THE AIR SUPPLY. FAILURE TO DISCONNECT THE HX27 FROM THE AIR SUPPLY COULD RESULT IN ACCIDENTAL ACTIVATION WHICH COULD CAUSE SERIOUS INJURY OR DEATH.

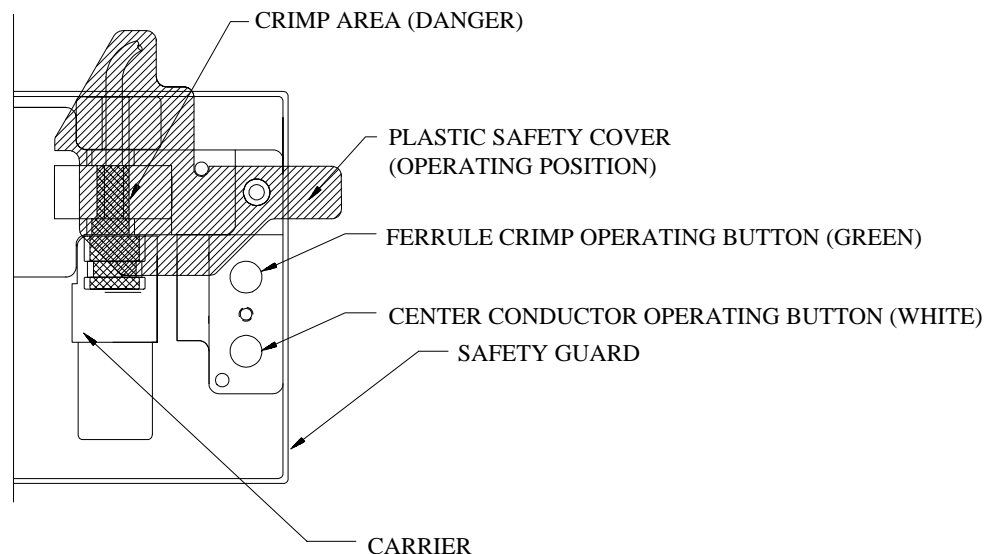


FIGURE 3

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SAFETY OPERATION MANUAL

TOOL CLOSURE ADJUSTMENT

An adjustment is provided to assure a full force main die closure occurs when the right-hand green button is activated. An adjustable delay controls the time after activation until the main valve is directed to open the main die closure. This adjustment was made at the factory. If further adjustment is required, use a small flat bladed screwdriver through a small adjustment hole (**Figure 2**) in the bottom of the unit. It may be necessary to lay the unit on its side to make this adjustment. The hole will be found in the forward left quadrant of the bottom plate. It will also be necessary to activate the tool (Depress both left (white) and right (green) buttons) in order to make this adjustment. After depressing both buttons causing the movable die to begin its forward motion, immediately release both buttons. The unit will complete the crimp cycle. Turning the adjustment clockwise extends the delay and counter-clockwise reduces the delay. Minimal rotation is required to change the delay. **A MINIMUM DELAY OF ½ SECOND AFTER THE DIE SET CLOSURES IS RECOMMENDED TO ALLOW FULL PRESSURE TO BUILD AND PROVIDE A PROPER CRIMP.**

SAFETY SIGNAGE

Safety signs are placed on the HX27 power crimp tool to make you aware that this tool could seriously injure or maim you if care is not used while operating it.

These signs are intended as a constant reminder of the potential risk involved. These signs should never be removed and should be replaced as needed.

Signs alone will not prevent accidents from occurring. Operators must be properly trained in the use of the equipment and be aware of the risks involved. While using the tool, it is important to be alert and avoid distractions.



**DISCONNECT FROM AIR SUPPLY BEFORE
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*as defined by PL93-637

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